

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/050546

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04J14/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04J H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/154356 A1 (KRUMMRICH PETER) 24 October 2002 (2002-10-24) paragraph '0001! paragraph '0008! paragraph '0020! - paragraph '0033!	1,2, 9-11,13, 14,16,17
P,X	EP 1 349 310 A (NORTEL NETWORKS LTD) 1 October 2003 (2003-10-01) paragraph '0001! paragraph '0011! - paragraph '0014! paragraph '0018! paragraph '0020! paragraph '0022! paragraph '0024! paragraph '0030! - paragraph '0031! ----- -/--	1,2, 9-11,13, 14,16-18

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

9 August 2004

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20/08/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	FR 2 845 841 A (CORVIS FRANCE R ET D) 16 April 2004 (2004-04-16) page 1, paragraph 1 page 5, paragraph 3 page 5, paragraph 5 - page 6, paragraph 1 page 6, paragraph 4 - page 8, paragraph 2 page 8, line 22 - line 33	1,2, 9-11,13, 15
A	US 5 790 289 A (TAGA HIDENORI ET AL) 4 August 1998 (1998-08-04) column 1, line 8 - line 15 column 2, line 36 - column 3, line 35	1-18
A	EP 1 280 288 A (CIT ALCATEL) 29 January 2003 (2003-01-29) paragraph '0004! - paragraph '0005! paragraph '0007! - paragraph '0008! paragraph '0016! - paragraph '0025! paragraph '0037! paragraph '0039! - paragraph '0040! paragraph '0047! - paragraph '0049!	1-18
A	WO 02/09299 A (SYCAMORE NETWORKS INC) 31 January 2002 (2002-01-31) page 5, line 16 - page 7, line 2	1,15

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Information on patent family members

International Application No

PCT/EP2004/050546

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002154356	A1	24-10-2002	DE	10112805 A1	02-10-2002
EP 1349310	A	01-10-2003	CA	2423241 A1	29-09-2003
			EP	1349310 A2	01-10-2003
FR 2845841	A	16-04-2004	FR	2845841 A1	16-04-2004
US 5790289	A	04-08-1998	JP	3373332 B2	04-02-2003
			JP	8321824 A	03-12-1996
EP 1280288	A	29-01-2003	EP	1280288 A1	29-01-2003
			CN	1400750 A	05-03-2003
			US	2003020990 A1	30-01-2003
WO 0209299	A	31-01-2002	AU	7892501 A	05-02-2002
			WO	0209299 A2	31-01-2002
			US	2002015201 A1	07-02-2002